

Converting Colors

XYZ(40.8409, 74.0878, 14.4871)

Have a look what the booklet for
XYZ(40.8409, 74.0878, 14.4871)
contains.

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Color

**XYZ(40.8307, 74.0815,
14.5300)**

Conversions

Conversions Part 1

Format	Color
Hex	5EFF2C
RGB	94, 255, 44
RGB Percent	37%, 100%, 17%
CMY	0.6314, 0.0000, 0.8274
CMYK	0.63, 0.00, 0.83, 0.00
HSL	106°, 100%, 59%
HSV	106°, 83%, 100%
XYZ	40.8307, 74.0815, 14.5300
YIQ	182.8070, -28.2250, -99.7530

Conversions

Conversions Part 2

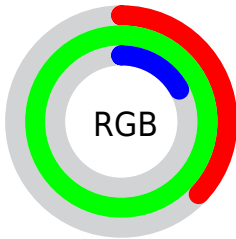
Format	Color
RYB	44, 255, 205
Decimal	6225708
CIELab	88.96, -75.15, 78.76
CIELCh	89, 108.862, 133.654
Yxy	74.0815, 0.3154, 0.5723
Android (android.graphics.Color)	4284415788 (0xFF5EFF2C)
YUV	182.8070, -68.4319, -77.8837
Hunter-Lab	86.0706, -65.9457, 50.2404

Details

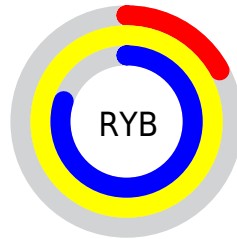
The XYZ color **40.8307, 74.0815, 14.5300** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **44.1310, 22.0029, 96.5288**, and the grayscale version is **45.2790, 47.6370, 51.8767**.

A 20% lighter version of the original color is **53.2724, 80.2229, 27.4287**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **38.7393, 73.0428, 12.6513**, and if you desaturate by 10%, it is **43.7193, 75.4972, 17.9820**.

Distribution



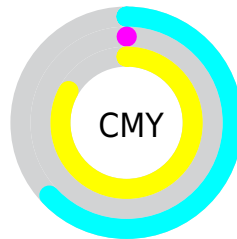
- Red (37%)
- Green (100%)
- Blue (17%)



- Red (17%)
- Yellow (100%)
- Blue (80%)



- Cyan (63%)
- Magenta (0%)
- Yellow (83%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8307, 74.0815, 14.5300 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 40.8307, 74.0815, 14.5300 by changing the saturation by 10% instead.


 40.8307, 74.0815,
14.5300


 40.8307, 74.0815,
14.5300


340.6872,
474.7546, 232.0455

 28.3739, 54.8607,
8.3473


 75.7032, 125.0113,
34.7571

 18.7496, 39.2902,
4.2270


 98.8495, 157.4892,
49.6385


 11.5924, 26.9856,
1.7507


 126.2898,
195.1549, 68.2566

 6.5370, 17.5624,
0.3951

 158.3893,
238.3928, 91.0298

 3.2180, 10.6363,
0.0000

 195.5135,
287.5874, 118.3768

 1.2701, 5.8228,
0.0000

238.0276,

 0.1606, 2.7376,

343.1229, 150.7160

0.0000

286.2971,
405.3839, 188.4661

■ 0.0000, 0.9963,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8307, 74.0815,
14.5300

■ 40.8307, 74.0815,
14.5300

■ 38.7393, 73.0428,
12.6513


■ 43.7193, 75.4972,
17.9820


■ 37.6487, 72.4937,
12.0084


■ 47.4858, 77.3262,
23.2518


■ 52.2005, 79.6002,
30.5455

■ 57.9259, 82.3475,
40.0403

 64.7189, 85.5941,
51.8943

 72.6318, 89.3638,
66.2509

 81.7136, 93.6789,
83.2421

 92.0101, 98.5605,
102.9907

95.0500, 100.0000,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.0824, 74.0815, 5.7838



40.8307, 74.0815, 14.5300



32.0334, 74.0815, 46.2384

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.8307, 74.0815, 14.5300



57.0542, 74.0815, 316.4928



132.2531, 74.0815, 50.9481

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.8307, 74.0815, 14.5300



44.1310, 22.0029, 96.5288

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



131.3145, 74.0815, 128.9578



40.8307, 74.0815, 14.5300



83.1051, 74.0815, 320.9163

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.8307, 74.0815, 14.5300



39.6678, 74.0815, 228.6516



111.6498, 74.0815, 238.4745



113.9615, 74.0815, 16.1276

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.8307, 74.0815, 14.5300



30.8930, 74.0815, 90.2997



111.6498, 74.0815, 238.4745



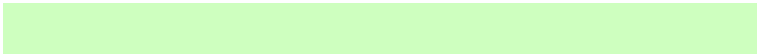
134.2929, 74.0815, 71.7360

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.8309, 74.0816, 14.5312



70.7435, 88.4651, 62.7815



62.8747, 63.8017, 11.3851



14.5386, 18.6478, 12.3394



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.8309, 74.0816, 14.5312



37.7834, 72.5615, 12.0876



38.9456, 72.9143, 23.2715



18.1744, 20.3758, 19.1194



19.7813, 37.9357, 6.2797



2.0180, 3.7411, 0.6157

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



44.1310, 22.0029, 96.5288



40.6320, 18.9025, 96.1147



52.8317, 27.3385, 58.5265



18.3473, 18.0708, 22.7710



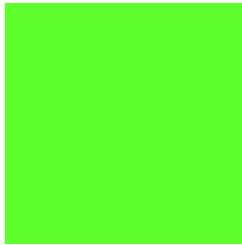
21.2745, 9.8779, 50.2199



2.1679, 1.0115, 4.8943

Previews

White Background



This preview shows how the XYZ color 40.8307, 74.0815, 14.5300 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 40.8307, 74.0815, 14.5300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

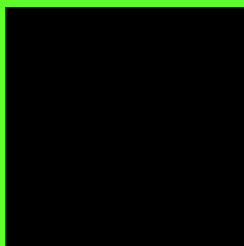
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8307, 74.0815, 14.5300

Background



This preview shows how black text looks on a background with the XYZ color 40.8307, 74.0815, 14.5300.

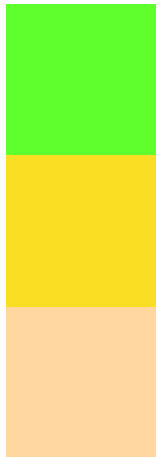


This preview shows how white text looks on a background with the XYZ color 40.8307, 74.0815,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.8307, 74.0815, 14.5300

Protanopia

65.4916, 72.5036, 12.1329

Deuteranopia

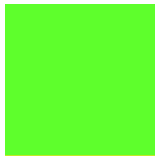
71.7120, 72.3295, 42.5291



Tritanopia

59.6619, 73.6280, 105.6749

Trichromacy



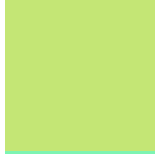
Original Color

40.8307, 74.0815, 14.5300



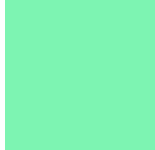
Protanomaly

51.7650, 70.3230, 12.6791



Deuteranomaly

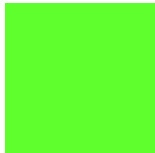
54.2727, 69.6137, 27.4059



Tritanomaly

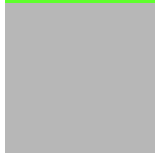
48.8440, 72.2757, 53.4957

Monochromacy



Original Color

40.8307, 74.0815, 14.5300



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

39.7278, 53.8462, 30.1293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8307, 74.0815, 14.5300 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(94, 255, 44)` looks like.

```
.text, #text, p{  
    color:rgb(94, 255, 44)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(94, 255, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 255, 44) }
```

Border

The CSS property to change the border of an element to XYZ 40.8307, 74.0815, 14.5300 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(94, 255, 44) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(94, 255, 44) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(94, 255, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 255, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 255, 44);  
box-shadow:4px 4px 4px 4px rgb(94, 255,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8307, 74.0815, 14.5300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 255, 44) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(94, 255,  
44) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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